

CLAIMS

Sch 5 | WHAT IS CLAIMED IS:

1. A laminated paper stock comprised of :
at least one biaxially oriented polymeric film;
an adhesive material; and
a paper substrate.
2. The paper stock according to Claim 1, wherein said biaxially oriented polymeric film is selected from the group consisting of polypropylene, polyester, nylon, polystyrene and polyethylene.
3. The paper stock according to Claim 2, wherein said polyethylene is selected from the group consisting of low density polyethylene (LDPE), linear low density polyethylene (LLDPE), metallocene low density polyethylene (m-LDPE) and high density polyethylene (HDPE).
4. The paper stock according to Claim 1, wherein said adhesive material is selected from the group consisting of low density polyethylene (LDPE), linear low density polyethylene (LLDPE), metallocene low density polyethylene (m-LDPE), high density polyethylene (HDPE), polypropylene (PP), ethylene vinyl acetate (EVA), ethylene methyl acrylate (EMA), ethylene acrylic acid (EAA), polyethylene terephthalate (PET) and Ionomer.
5. The paper stock according to Claim 1 wherein said polymeric film surface is printed.
6. The paper stock according to Claim 1 wherein said paper surface is printed.

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7. The paper stock according to Claim 1, wherein said paper substrate is selected from the group consisting of cellulosic and synthetic materials.
- 5 8. The paper stock according to Claim 7, wherein said paper substrate is bleached paper or paperboard.
- 10 9. The paper stock according to Claim 1, comprising an additional biaxially oriented polymeric film placed on either the uncoated paper substrate surface or on said film surface or both.
- 15 10. A flexible packaging for wrapping paper comprised of a laminated paper stock made of at least one biaxially oriented polymeric film adhered to a paper substrate.
- 20 11. The packaging according to Claim 10, wherein said biaxially oriented polymeric film is selected from the group consisting of polypropylene, polyester, nylon, polystyrene and polyethylene.
- 25 12. The packaging according to Claim 11, wherein said polyethylene is selected from the group consisting of low density polyethylene (LDPE), linear low density polyethylene (LLDPE), metallocene low density polyethylene (m-LDPE) and high density polyethylene (HDPE).
- 30 13. The packaging according to Claim 10, wherein said adhesive material is selected from the group consisting of low density polyethylene (LDPE), linear low density polyethylene (LLDPE), metallocene low density polyethylene (m-LDPE), high density polyethylene (HDPE), polypropylene (PP), ethylene vinyl acetate (EVA), ethylene methyl acrylate (EMA), ethylene acrylic acid (EAA), polyethylene terephthalate (PET) and Ionomer.

14. The packaging according to Claim 10 wherein said polymeric film surface is printed.

5 15. The packaging according to Claim 10 wherein said paper surface is printed.

16.. The packaging according to Claim 10, wherein said paper substrate is selected from the group consisting of cellulosic and synthetic materials.

10 17. A method of making a laminated paper stock comprising the steps of:
providing at least one biaxially oriented polymeric film; and
adhering said film to a paper substrate.

15 18. The method according to Claim 17, wherein said film is selected from the group consisting of polypropylene, polyester, nylon, polystyrene and polyethylene.

20 19. The method according to Claim 18, wherein said polyethylene is selected from the group consisting of low density polyethylene (LDPE), linear low density polyethylene (LLDPE), metallocene low density polyethylene (m-LDPE) and high density polyethylene (HDPE).

25 20. The method according to Claim 17, wherein said film is adhered to said paper substrate by an adhesive material selected from the group consisting of low density polyethylene (LDPE), linear low density polyethylene (LLDPE), metallocene low density polyethylene (m-LDPE) and high density polyethylene (HDPE), polypropylene (PP), ethylene vinyl acetate (EVA), ethylene methyl acrylate (EMA), ethylene acrylic acid (EAA), polyethylene terephthalate (PET) and Ionomer.

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21. The method according to Claim 17 comprising the further step of treating said film surface to enhance printability.
- 5 22. The method according to Claim 17 comprising the further step of treating said film surface to enhance processability.
- 10 23. The method according to Claim 17, wherein said paper substrate is selected from the group consisting of cellulosic and synthetic materials.
- 15 24. A method of making a flexible package for wrapping paper comprising the steps of:
providing a laminated paper stock made of at least one biaxially oriented polymeric film adhered to a paper substrate; and
forming said package from said stock.

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